



PCT

特許協力条約に基づいて公開された国際出願

(51) 国際特許分類7
H04B 1/40, H01Q 3/26, G01R 29/10

A1

(11) 国際公開番号

WO00/60757

(43) 国際公開日

2000年10月12日(12.10.00)

(21) 国際出願番号

PCT/JP00/01724

(22) 国際出願日

2000年3月21日(21.03.00)

(30) 優先権データ

1999年3月30日(30.03.99)

JP

(71) 出願人(米国を除くすべての指定国について)

三洋電機株式会社(SANYO ELECTRIC CO., LTD.)[JP/JP]
〒570-8677 大阪府守口市京阪本通2丁目5番5号 Osaka, (JP)

(72) 発明者; および

(75) 発明者／出願人(米国についてのみ)

土居義晴(DOI, Yoshihiko)[JP/JP]

飯沼敏範(INUMA, Toshinori)[JP/JP]

赤塚康典(AKATSUKA, Yasunori)[JP/JP]

〒570-8677 大阪府守口市京阪本通2丁目5番5号

三洋電機株式会社内 Osaka, (JP)

(74) 代理人

深見久郎, 外(FUKAMI, Hisao et al.)

〒530-0054 大阪府大阪市北区南森町2丁目1番29号

住友銀行南森町ビル Osaka, (JP)

(81) 指定国 AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, 歐州特許(AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI 特許(BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG), AR IPO特許(GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), ユーラシア特許(AM, AZ, BY, KG, KZ, MD, RU, TI, TJ)

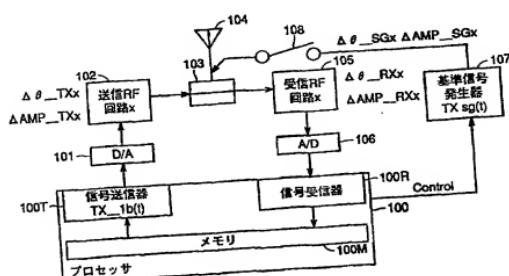
添付公開書類
国際調査報告書

(54) Title: RADIO DEVICE AND METHOD OF CALIBRATION OF ANTENNA DIRECTIVITY

(54)発明の名称 無線装置およびそのアンテナ指向性のキャリブレーション方法

(57) Abstract

A radio device includes an antenna (104), a transmitting circuit (102) and a receiving circuit (105) both sharing the antenna. During calibration, the output of the transmitting circuit is connected to the input of the receiving circuit to determine the amount of rotation of phase and/or amplitude variation of a signal passing through the transmitting and receiving circuits. A reference signal is fed to the input of the receiving circuit to determine the amount of rotation of phase and/or amplitude variation of the signal passing through the receiving circuit. By subtraction about the information, the amount of rotation of phase and/or amplitude variation of a signal passing through the transmitting circuit is determined, and from the information, the correction value for correcting the difference of the amount of rotation of phase and/or amplitude variation between the transmitting and receiving circuits is determined, thereby correcting the difference of the amount of rotation of phase and/or amplitude variation between the transmitting and receiving circuits.



102...TRANSMISSION RF CIRCUIT x

105...RECEPTION RF CIRCUIT x

107...REFERENCE SIGNAL GENERATOR TX_sg(t)

100T...SIGNAL TRANSMITTER TX_1b(t)

100R...SIGNAL RECEIVER

100M...MEMORY

100M...PROCESSOR